

Amendments to the Claims

The following listing of the claims will replace all prior versions, and listings of the claims in the application:

Listing of Claims

1. (Currently amended) ~~A peripheral~~ Peripheral device comprising:
 - a functional unit which carries out a function based on commands from a main device;
 - a power control section which controls power consumption of said functional unit;
 - a power profile information memory which ~~memorizes~~ stores a power profile information list that includes single or plural power profile information;
 - and an interface section which sends and receives said power profile information and commands relevant to the functional unit to and from said main device; wherein
 - said interface section ~~corresponds to a demand from said main device and~~ sends said power profile information list to said main device in response to a demand from said main device;
 - and said power control section controls power consumption of said functional unit by ~~corresponding according to the~~ selected information of said power profile information list ~~that was received from said main device.~~
2. (Currently amended) ~~A peripheral~~ Peripheral device comprising:
 - a functional unit which carries out a function based on commands from a main device;
 - a power profile register which ~~memorizes~~ stores power profile information;
 - a power control section which controls power consumption of said functional unit;
 - a power profile information memory which ~~memorizes~~ stores a power profile information list that includes single or plural power profile information;
 - and an interface section which sends and receives said power profile information and commands relevant to the functional unit to and from said main device;
 - wherein said interface section ~~corresponds to a demand from said main device and~~ sends said power profile information list ~~memorized~~ stored in said power profile information memory

to said main device in response to a demand from said main device, and

~~corresponding according to the~~ selected information of said power profile information list ~~that was received from said main device~~, said peripheral device ~~stores the~~ corresponding power profile information from said power profile information memory, in said ~~a~~ power profile register;

and said power control section deciphers said power profile information stored in said power profile register and controls power consumption of said functional unit based on said deciphered power profile information.

3. (Currently amended) A peripheral ~~Peripheral~~ device comprising:

a functional unit which carries out a function based on commands from ~~a~~ main device;

a power profile information memory which ~~memorizes~~ stores a power profile information list that includes single or plural power profile information;

an interface section which receives ~~specifications which said main device designates~~ requested specifications from said main device, which includes a range designated by said main device or a range allowed by said main device;

a power profile judgment section which determines ~~from the specifications~~ appropriate power profile information from the power profile information list stored in the power profile information memory based on the requested specifications;

a power profile register which ~~memorizes~~ stores said power profile information that is determined by said power profile judgment section;

and a power control section which controls power consumption of said functional unit;

wherein said interface section sends the requested specifications ~~which said main device designates, wherein the specifications are sent~~ from said main device, to said power profile judgment section;

and said power control section deciphers said power profile information stored in said power profile register and controls power consumption of said functional unit based on said deciphered power profile information.

4. (Currently amended) A peripheral ~~Peripheral~~ device in accordance with claim 3, wherein said power profile judgment section changes a value of the power consumption included in said

power profile information to be stored in power profile register based on a value of voltage sent from said main device.

5. (Currently amended) The peripheral ~~Peripheral~~ device in accordance with claim 1, wherein said power profile information includes at least one of: (1) a maximum output value of a power amplifier, and (2) a transmission rate of a wireless communication, ~~and (3) in use or not of said functional unit, as its element;~~ and

said power control section controls power consumption of said functional unit in regard to said an element of said power profile register.

6. (Currently amended) A main ~~Main~~ device which demands a power profile information list from ~~said a~~ peripheral device, wherein the power profile information list includes single or plural power profile information that is information for the peripheral device to control power, selects single power profile information which is appropriate for the main device from said power profile information list sent from said peripheral device, and sends the selected information of selected power profile information to said peripheral device.

7. (Currently amended) A main ~~Main~~ device in accordance with claim 6, wherein various said power profile information is determined ~~corresponding~~ according to the value of power supply voltage.

8. (Currently amended) The main ~~Main~~ device in accordance with claim 6, wherein said power profile information has at least one of ~~the following~~ a maximum output value of a power amplifier, ~~and a transmission rate of a wireless communication~~ value of clock frequency of a functional unit, or in use or not of said functional unit, as its an element.

9. (Currently amended) A control ~~Control~~ method of a peripheral device comprising:
a sending step of ~~corresponding to a demand from main device~~ and sending a power profile information list which includes single or plural power profile information to ~~said a~~ main device in response to a demand from said main device;

a receiving step of receiving the selected information of power profile information which is sent from said main device;

and a power controlling step of controlling power consumption of a functional unit ~~corresponding~~ according to the selected information of said power profile information.

10. (Currently amended) A control ~~Control~~ method of peripheral device comprising:

a sending step of ~~corresponding to a demand from main device and~~ sending a power profile information list which includes single or plural power profile information to said a main device in response to a demand from said main device;

a receiving step of receiving the selected information of power profile information which is sent from said main device;

a ~~memorizing~~ storing step of extracting and ~~memorizing~~ storing said power profile information which ~~corresponds~~ according to said selected information of power profile information from the power profile memory;

and a power controlling step of deciphering said power profile information and controlling power consumption of functional unit based on said deciphered power profile information.

11. (Currently amended) A control ~~Control~~ method of peripheral device comprising:

a receiving step of receiving specifications which a main device designates;

a power profile judging step of determining power profile information that is appropriate to the specifications designated by said main device from a power profile information list which includes single or plural power profile information that is stored in a power profile information memory;

and a power control step of controlling power consumption of a functional unit based on said determined power profile information.

12. (Currently amended) A control ~~Control~~ method of main device which demands a power profile information list from said peripheral device, wherein the power profile information list includes single or plural power profile information which is information for said peripheral

device to control power, selects single power profile information which is appropriate for the main device from said power profile information list sent from said peripheral device, and sends the selected information of the selected power profile information to said peripheral device.

13. (Previously presented) A computer readable medium encoded with software code capable of being executed by a computer to execute the control method of the peripheral device in accordance with claim 9.